

H5 binding
Extracellular
Domain

Transmembrane
Domain

Cytoplasmic
Domain

Fig. 1

Fig. 2: Syndecan-1 (rat) extracellular domain: M81785

atgagac gtgcggcgct
ctggctttgg ctatgcgcgc tggcgctgcg cctgcagcct gccctccgc aaattgtcac
cgcaaatgtg ctcctgaag accaagatgg ctctgggac gactcagaca acttctctgg
ctcaggcaca ggtgctttgc cagatatgac tttgtcacgg cagacacctt ccacttggaa
ggatgtgtgg ctctgacag ctacacccac agtccagaa cccaccagca gggataccga
ggccaccctc acctctatcc tgccggctgg agagaagcct gaggagggag agcccgtggc
ccacgtggaa gcagagcctg acttcactgc tcgggacaag gagaaggagg ccaccaccag
gccttagggag accacacagc tcczagtcac ccaacaggcc tcaacagcag ccagagccac
cacggcccaag gcatctgtca cgtctcatcc ccacgggat gtcaacctg gcctccacga
gaccttggt cccacagcac ccggccaacc tgaccatcg cctccaagtg tggaggatgg
aggcacttct gtcataaag aggttgtgga gatgaaact accaatcagc ttcctgcagg
agagggctct ggagaacaag acttcacctt taaaacatct gggagaaca cagctgtggc
tggcgtcgag cctgacccctc ggaatcagtc cccagtgat gaaggagcca caggtgcttc
tcagggccctt ttggacagga aggaa

ACCESSION M81785
LOCUS RATSYNDCA 2396 bp mRNA ROD 16-JUL-1992
DEFINITION Rattus norvegicus syndecan mRNA, complete cds.
ACCESSION M81785
NID g207140
KEYWORDS syndecan.
SOURCE Rattus norvegicus Epididymal fat pad cDNA to mRNA.
ORGANISM Rattus norvegicus
Eukaryotae; mitochondrial eukaryotes; Metazoa; Chordata;
Vertebrata; Eutheria; Rodentia; Sciurognathi; Myomorpha; Muridae;
Murinae; Rattus.
REFERENCE 1 (bases 1 to 2396)
AUTHORS Kojima,T., Shworak,N.W. and Rosenberg,R.D.
TITLE Molecular cloning and expression of two distinct cDNA-encoding
heparan sulfate proteoglycan core proteins from a rat endothelial
cell line
JOURNAL J. Biol. Chem. 267, 4870-4877 (1992)

Fig. 3: Syndecan-2 (human) extracellular domain (J 04621):

ggcaggaggg agggagccag aggaaaagaa gaggaggaga aggaggagga cccggggagg
gaggcgccgc gcgggaggag gaggggcgca gccgcggagc cagtggcccc gcttggacgc
gctgctctcc agatacccc ggagctccag ccgcgcggat cgccgcgtcc cgccgctctg
cccctaaact tctgccgtag ctcccttca agccagcgaa ttatttcatt aaaaccagaa
actgaacctc ggcacggaa aggagtccgc ggaggagcaa aaccacagca gagcaagaag
agttcagag agcagcctc ccggagcacc aactccgtgt cggagtgca gaaaccaaca
agtgagaggg cgccgcgttc ccggggcgca gctgcggcg gcggagcag gcgcaggagg
aggaagcgag cgcccccggag ccccgagccc gagtccccga gcctgagccg caatcgctgc
ggtactctgc tccggattcg tgtgcgcggg ctcgcgagc gctggcagg aggctcggt
ttgccttgt tgcaagcagc ggctggagc agccggtccc tgggaatat gcggcgccg
tggatcctgc tcaccttggg cttggtggcc tgcgtgtcg cggagtcgag acagagctg
acatctgata aagacatgta cttgacaac agtccattg aagaagcttc aggagtgtat
cctattgatg acatgacta cgcttctgcg tctggctcg gagctgatga ggatgttag
agtccagagc tgacaacaac tcgaccactt ccaaagatac tgttgactag tgctgctcca
aaagtggaaa ccacgacgct gaatatacag aacaagatac ctgctcagac aaagtcacct
gaagaaactg ataaagagaa agttcacctc tctgactcag aaaggaaaat ggacccagcc
gaagaggata caaatgtgta tactgagaaa cactcagaca gtctgtttaa acggacagaa

protein sequence:

GRREGARGKEEEKEEDPGREARRGRRGAAAEPVAPLGRAALQ
IPPELQPRGSRAPAALPLNFCRSSLSSQRIYSLKPETEPRHGKGVRRGAQPQQSKKSF
REQPSRSTNSVSGVQKPTSERAPRSRGAAAGGGRRRRKRAPPSPESPLSRNRC
GTLLRIRVRGLAERWAGGFVLPWLQAAAGSSRSLGNMRRAWILLTLGLVACVSAESRA
ELTSOKDMYLDNSSIEEASGVYPIDDDYASASGSGADEDVESPELTTRPLPKILLT
SAAPKVETTLNIQNQKIPAQTKSPEETDKEVHLSDSERKMDPAEEDTNVYTEKHSDS
LFKRTE

reference:

ACCESSION J04621
LOCUS HUMHSPGC 3414 bp mRNA PRI 08-NOV-1994
DEFINITION Human heparan sulfate proteoglycan (HSPG) core protein, 3' end.
ACCESSION J04621
NID g184428
KEYWORDS core protein; heparan sulfate proteoglycan.
SOURCE Human fetal lung fibroblast, cDNA to mRNA, clone 48K5.
ORGANISM Homo sapiens
Eukaryotae; mitochondrial eukaryotes; Metazoa; Chordata;
Vertebrata; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 3414)
AUTHORS Marynen,P., Zhang,J., Cassiman,J.J., Van den Berghe,H. and David,G.
TITLE Partial primary structure of the 48- and 90-kilodalton core
proteins of cell surface-associated heparan sulfate proteoglycans
of lung fibroblasts. Prediction of an integral membrane domain and
evidence for multiple distinct core proteins at the cell surface of
human lung fibroblasts
JOURNAL J. Biol. Chem. 264 (12), 7017-7024 (1989)

Fig. 4: Synd-3 (N-Syndecan) extracellular domain

cccccccgcgctgctgagccgtccttcggcacgssatgcggcggagctgcggcgcc
tcgcggtgctgctgctgctcagcgccgcgcagcgctggctcagccgtggcgcaatg
agaactacgagaggccggtgtggacacctggagggtctggggatgatgatcccttggggacg
atgaactggatgacatctactcgggctccggctcaggctatttgagcaggagtcagggt
tggagacagcggtcagcctcaccacggacacgtccgtcccactgcccaccacggtgccg
tgctgcctgtcaccttggtgtcagccatggcaacaccctttgagctgttccccacagagg
acacgtccccctgagcaaacaaccagcgtttgtatatccccaaagataacagaagcaccag
tgatccccagctggaaaacaaccaccgcgtaccactgccagtgactccccagtagcca
cctccaccaccaccacggctgctaccaccacaaccaccaccatcagcacca
ctgtggccacccatccaagccaccactacccagaggttcctgcffffttgtcaccaagg
cagccaccaccggccaccaccctggagacgcaccacccatccatccatggaaaccagtg
tcctgacagaggtgaccacatcacggcttgtccctccagcacagccaaagccgaggtccc
tgccaaaaccaagcacttccaggactgcagaacccacggaaaaaaagcactgccttgcctt
ccagccccaccacgctgccaccacagaagccccccaggtggagccagggagttgacga
cagtcctcgacagtgacacttggaaagtcccaaccagtagtggcccccagcggggacttcgaga
tccaggaggaggagagacaactcgtcctgagctggcaatgaggtggcagtggta
caccaccagcagcaccgggtggcaagaatgcagagccgggctcatcgacaacacaa
tagagtcggcagctcggtcagctccccagaaaaacatcctggagaggaaggaa

Reference:

ACCESSION M84910
LOCUS CHKSNDCPRO 1372 bp mRNA VRT 29-NOV-1995
DEFINITION Chicken syndecan-3 proteoglycan mRNA, complete cds.
ACCESSION M84910
NID g1017461
KEYWORDS syndecan-3 proteoglycan.
SOURCE Gallus gallus 4-6 day and 10 day forelimb and whole embryo cDNA to mRNA.
ORGANISM Gallus gallus
Eukaryotae; mitochondrial eukaryotes; Metazoa; Chordata;
Vertebrata; Archosauria; Aves; Neognathae; Galliformes;
Phasianidae; Phasianinae; Gallus.
REFERENCE 1 (bases 1 to 1372)
AUTHORS Gould,S.E., Upholt,W.B. and Kosher,R.A.
TITLE Syndecan 3: a member of the syndecan family of membrane-intercalated proteoglycans that is expressed in high amounts at the onset of chicken limb cartilage differentiation
JOURNAL Proc. Natl. Acad. Sci. U.S.A. 89 (8), 3271-3275 (1992)
MEDLINE 92228766
REFERENCE 2 (bases 1 to 1372)
AUTHORS Gould,S.E., Upholt,W.B. and Kosher,R.A.
TITLE Characterization of chicken syndecan-3 as a heparan sulfate proteoglycan and its expression during embryogenesis
JOURNAL Dev. Biol. 168 (2), 438-451 (1995)

Fig. 5: Syndecan extra-cellular domain from rat: M81786

atggc gcctgtctgc ctgtttgcgc cgctgctgct gttgctcctc
ggaggttcc ccgtcgcccc aggcgagtcg attcgagaga ctgaggtcat agaccccccag
gacctcctgg aaggcagata cttctctgga gccctcccg acgatgaaga cgctggggc
ctttagcagg actctgactt tgagctgtcg gttccggag atctagatga cacggaggag
cccaggacct tccctgaggt gattcaccc ttggtgccac tagataacca catccccag
aatgcccagc ctggcatccg tgtccctca gagcccaagg aactggaaga gaatgaggc
attcccaaaa gggtcccctc cgacgtgggg gatgacgatg tgtccaacaa agtgtccatg
tccagcactt cccagggcag caacatttt gaaagaactg ag

Reference:

ACCESSION M81786
LOCUS RATRYUDOCA 2452 bp mRNA ROD 16-JUL-1992
DEFINITION Rattus norvegicus ryudocan mRNA, complete cds.
ACCESSION M81786
NID g206822
KEYWORDS ryudocan.
SOURCE Rattus norvegicus Epididymal fat pad cDNA to mRNA.
ORGANISM Rattus norvegicus
Eukaryotae; mitochondrial eukaryotes; Metazoa; Chordata;
Vertebrata; Eutheria; Rodentia; Sciurognathi; Myomorpha; Muridae;
Murinae; Rattus.
REFERENCE 1 (bases 1 to 2452)
AUTHORS Kojima, T., Shworak, N.W. and Rosenberg, R.D.
TITLE Molecular cloning and expression of two distinct cDNA-encoding
heparan sulfate proteoglycan core proteins from a rat endothelial
cell line
JOURNAL J. Biol. Chem. 267, 4870-4877 (1992)

Fig. 6: Glypican-1 (rat) extracellular Domain:

atggag
ctccggggccc gaggctggtg gctgctgtgc gcggccgccc cgctagtgc ctgcgcggc
ggggaccccg ccagcaagag ccggagctgc agcgaagtcc gccagatcta cggggctaag
ggcttagcc tgagcgacgt gcccaggca gagatctcgag gagagcacct gcggatctgc
ccccaggct acacctgctg caccagttag atggaggaga acctggccaa ccacagccgg
atggagctgg agaccgcact ccacgacagc agccgtgccc tgcaggctac actggccacc
cagctgcattg gcatcgatga ccacttccag cgcctgctga atgactcgga gcgtacactg
caggatgttt ttccccgggc ctttggggac ctgtacacgc agaacactcg ggccttcgg
gacctgtatg ctgagctgcg tctctactac cgagggcca acctacacct tgaggagaca
ctggccgagt tctgggcacg gctgctggag cgtctttca agcagctgca cccccagctt
ctgctgccc atgactatct ggactgcctg ggcaagcagg cagaggcact gcggccgtt
ggggatgccc ctcgagaact gcgcctgagg gccacccgtg ctttgtggc ggcacgatcc
tttgtgcagg gcctgggtgt ggccagtgtac gtatccgaa aggtggccca gttccctctg
gcccccagaat gttctcgggc tgtcatgaag ttggctact gtgcctattg cggggagtc
cctgggtgccc ggccctgtcc cgactattgc cgaaatgtgc tcaaaggctg cttgccaac
caggccgacc tggatgccga gtggaggaac ctcctggact ccattggct catcaactgac
aagttctggg gcccgtcggg tgccggagaat gtcattggca gtgtcatat gtggctggcg
gaggccatca acgcctcca ggacaacaag gacacactca cagctaaggt catccaggc
tgcggaaacc ccaaggtcaa tcccatggc tctggcctg aggagaagcg tcgcgtggc
aaactggcac tgcaggagaa gtcctccaca ggtactctgg aaaagctgg ctctgaggcc
aaggcccagc tccgagacat tcaggactac tggatcagcc tcccagggac actgtgttagt
gagaagatgg ccatgagtcc tgccagcgat gaccgctgt ggaatggat ttccaaggc
cggtacctac ctgaggttat gggatgtgg ctggccaacc agatcaacaa ccctgaagt
gaggtggaca tcaccaagcc ggatatgacc atccggcagc agatcatgca gctcaagatc
atgaccaacc gttacgtgg cgcctacggt ggcaatgtatg tggacttcca ggatgccagt
gatgacggca gtggctccgg cagcggtggc ggatgcccag atgacgcctg tggccggagg
gtcagcaaga agagctccag ctcccgacc ccctgaccc atgcctccc cggcttgtca
gaacaggagg gacagaagac ctgc

Protein sequence:

MELRARGWWLLCAAAALVACARGDPASKRSRSCSEVRQIYGAKG
SLSDVPQAEISGEHLRICPQGYTCCTSEMEENLANHSRMELETALHDSSRALQATLAT
QLHGIDDHFQRLNNDERTLQDAFPGAFGDLYTQNTRAFRDLYAELRLYYRGANLHLE
ETLAEFWARLLERLFQQLHPQLLPDDYLDCLGKQAEALRPFGDAPRELRRAFRV
AARSFVQGLGVASDVRKVAQVPLAECRSRAVMKLVYCAHCRGVPGARPCPDYCRNVL
KGCLANQADLDAEWRNLLDSMVLITDKFWGPSGAENVIGSVHMWLAEEAINALQDNKDT
LTAKVIQGCNPKVNPHGSGPEEKRRRGKLALQEKSSTGTLEKLVSEAKAQLRDIQDY
WISLPGTLCEKMMAMSPASDDRCWNGISKGRYLPEVMGDGLANQINNPEVEVDITKPD
MTIRQQIMQLKIMTNRLRGAYGGNDVDFQDASDDGSGSGGGCPDDACGRRVSKSS
SSRTPLTHALPGLSEQEGQKTS

Reference:

ACCESSION L34067
NID g506416
KEYWORDS glypican.
SOURCE Rattus norvegicus (strain New England Deconess Hospital) cDNA to mRNA.
ORGANISM Rattus norvegicus
Eukaryotae; mitochondrial eukaryotes; Metazoa; Chordata;
Vertebrata; Eutheria; Rodentia; Sciurognathi; Myomorpha; Muridae;
Murinae; Rattus.
REFERENCE 1 (bases 1 to 1737)
AUTHORS Litwack, E.D., Stipp, C.S., Kumbasar, A. and Lander, A.D.
TITLE Neuronal expression of glypican, a cell-surface glycosylphosphatidylinositol-anchored heparan sulfate proteoglycan, in the adult rat nervous system
JOURNAL J. Neurosci. 14, 3713-3724 (1994)

Fig. 7 : Syndecan-1 (rat) transmembrane domain: M81785

gtgct gggaggtgtc attgctggag gcctggtggg
cctcatcttt gctgtgtgcc tggtggttt catgctatac

Reference:

ACCESSION M81785
LOCUS RATSYNDECA 2396 bp mRNA ROD 16-JUL-1992
DEFINITION Rattus norvegicus syndecan mRNA, complete cds.
ACCESSION M81785
NID g207140
KEYWORDS syndecan.
SOURCE Rattus norvegicus Epididymal fat pad cDNA to mRNA.
ORGANISM Rattus norvegicus
Eukaryotae; mitochondrial eukaryotes; Metazoa; Chordata;
Vertebrata; Eutheria; Rodentia; Sciurognathi; Myomorpha; Muridae;
Murinae; Rattus.
REFERENCE 1 (bases 1 to 2396)
AUTHORS Kojima,T., Shworak,N.W. and Rosenberg,R.D.
TITLE Molecular cloning and expression of two distinct cDNA-encoding
heparan sulfate proteoglycan core proteins from a rat endothelial
cell line
JOURNAL J. Biol. Chem. 267, 4870-4877 (1992)

Fig. 8 : Syndecan-2 (human) transmembrane domain (J 04621) :

gtcctagcag ctgtcattgc tggtaggtt attggcttc tcttgcaat ttttcttac
ctgctgttgg tg

protein sequence:

VAAVIAGGVIGFLFAIFLILLLV

reference:

ACCESSION J04621
LOCUS HUMHSPGC 3414 bp mRNA PRI 08-NOV-1994
DEFINITION Human heparan sulfate proteoglycan (HSPG) core protein, 3' end.
ACCESSION J04621
NID g184428
KEYWORDS core protein; heparan sulfate proteoglycan.
SOURCE Human fetal lung fibroblast, cDNA to mRNA, clone 48K5.
ORGANISM Homo sapiens
Eukaryotae; mitochondrial eukaryotes; Metazoa; Chordata;
Vertebrata; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 3414)
AUTHORS Marynen, P., Zhang, J., Cassiman, J.J., Van den Berghe, H. and David, G.
TITLE Partial primary structure of the 48- and 90-kilodalton core
proteins of cell surface-associated heparan sulfate proteoglycans
of lung fibroblasts. Prediction of an integral membrane domain and
evidence for multiple distinct core proteins at the cell surface of
human lung fibroblasts
JOURNAL J. Biol. Chem. 264 (12), 7017-7024 (1989)

Fig. 9 : Synd-3 (N-Syndecan) chicken Transmembrane domain

gtgtttagatgtgtgattgtcgccggtgtggagccctttgctgccttcattgtca
tgctgctcatctac

Reference:

ACCESSION M84910
LOCUS CHKSNDPRO 1372 bp mRNA VRT 29-NOV-1995
DEFINITION Chicken syndecan-3 proteoglycan mRNA, complete cds.
ACCESSION M84910
NID g1017461
KEYWORDS syndecan-3 proteoglycan.
SOURCE Gallus gallus 4-6 day and 10 day forelimb and whole embryo cDNA to mRNA.
ORGANISM Gallus gallus
Eukaryotae; mitochondrial eukaryotes; Metazoa; Chordata;
Vertebrata; Archosauria; Aves; Neognathae; Galliformes;
Phasianidae; Phasianinae; Gallus.
REFERENCE 1 (bases 1 to 1372)
AUTHORS Gould,S.E., Upholt,W.B. and Kosher,R.A.
TITLE Syndecan 3: a member of the syndecan family of membrane-intercalated proteoglycans that is expressed in high amounts at the onset of chicken limb cartilage differentiation
JOURNAL Proc. Natl. Acad. Sci. U.S.A. 89 (8), 3271-3275 (1992)
MEDLINE 92228766
REFERENCE 2 (bases 1 to 1372)
AUTHORS Gould,S.E., Upholt,W.B. and Kosher,R.A.
TITLE Characterization of chicken syndecan-3 as a heparan sulfate proteoglycan and its expression during embryogenesis
JOURNAL Dev. Biol. 168 (2), 438-451 (1995)

Figure 10 : Syndecan-4 transmembrane domain from rat: M81786

gtcttggc agctctgatt gtgggcggcg tagtggcat cctcttcgcc gtttcctga
tcctgctgct ggtgtac

Reference:

ACCESSION M81786
LOCUS RATRYUDOCA 2452 bp mRNA ROD 16-JUL-1992
DEFINITION Rattus norvegicus ryudocan mRNA, complete cds.
ACCESSION M81786
NID g206822
KEYWORDS ryudocan.
SOURCE Rattus norvegicus Epididymal fat pad cDNA to mRNA.
ORGANISM Rattus norvegicus
Eukaryotae; mitochondrial eukaryotes; Metazoa; Chordata;
Vertebrata; Eutheria; Rodentia; Sciurognathi; Myomorpha; Muridae;
Murinae; Rattus.
REFERENCE 1 (bases 1 to 2452)
AUTHORS Kojima,T., Shworak,N.W. and Rosenberg,R.D.
TITLE Molecular cloning and expression of two distinct cDNA-encoding
heparan sulfate proteoglycan core proteins from a rat endothelial
cell line
JOURNAL J. Biol. Chem. 267, 4870-4877 (1992)

Fig. 11 : Glypican-1 (rat) GPI-Transmembrane Domain:

gccggcc actcgccccag agcctcacta cttctttctg
ctcttcctgt tcacaccttggc cttgctgca gccaggccca ggtggcggta actgccc

protein sequence:

ATRPEPHYFFLLFLFTLVLAARPRWR

Reference:

ACCESSION L34067

NID g506416

KEYWORDS glypican.

SOURCE Rattus norvegicus (strain New England Deconess Hospital) cDNA to mRNA.

ORGANISM Rattus norvegicus

Eukaryotae; mitochondrial eukaryotes; Metazoa; Chordata; Vertebrata; Eutheria; Rodentia; Sciurognathi; Myomorpha; Muridae; Murinae; Rattus.

REFERENCE 1 (bases 1 to 1737)

AUTHORS Litwack, E.D., Stipp, C.S., Kumbasar, A. and Lander, A.D.

TITLE Neuronal expression of glypican, a cell-surface glycosylphosphatidylinositol-anchored heparan sulfate proteoglycan, in the adult rat nervous system

JOURNAL J. Neurosci. 14, 3713-3724 (1994)

Figure 12 : Perlecan (human) transmembrane domain #M85289

**tcgcgacactgctcatcccag
ccatcacgactgctgacgcggcttctacacctgcgtggccaccagccctgcaggcactg
cc**

Reference:

LOCUS HUMHSPG2B 14327 bp mRNA PRI 08-NOV-1994
DEFINITION Human heparan sulfate proteoglycan (HSPG2) mRNA, complete cds.
ACCESSION M85289
NID g184426
KEYWORDS HSPG2 gene; heparan sulfate proteoglycan.
SOURCE Homo sapiens skin; colon cDNA to mRNA.
ORGANISM Homo sapiens
Eukaryotae; mitochondrial eukaryotes; Metazoa; Chordata;
Vertebrata; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 14327)
AUTHORS Dodge, G.R., Kovalszky, I., Chu, M.L., Hassell, J.R., McBride, O.W.,
Yi, H.F. and Iozzo, R.V.
TITLE Heparan sulfate proteoglycan of human colon: partial molecular
cloning, cellular expression, and mapping of the gene (HSPG2) to
the short arm of human chromosome 1
JOURNAL Genomics 10 (3), 673-680 (1991)
MEDLINE 91365376
REFERENCE 2 (bases 1 to 14327)
AUTHORS Murdoch, A.D., Dodge, G.R., Cohen, I., Tuan, R.S. and Iozzo, R.V.
TITLE Primary structure of the human heparan sulfate proteoglycan from
basement membrane (HSPG2/perlecan). A chimeric molecule with
multiple domains homologous to the low density lipoprotein
receptor, laminin, neural cell adhesion molecules, and epidermal
growth factor
JOURNAL J. Biol. Chem. 267 (12), 8544-8557 (1992)

Figure 13 : Syndican-4 cytoplasmic domain from rat: M81786

Cgc atgaagaaga aggatgaagg cagttacgac ttggcaaga aaccatcta caaaaaagcc
cccaccaacg agttctacgc atga

Reference:

ACCESSION M81786
LOCUS RATRYUDOCA 2452 bp mRNA ROD 16-JUL-1992
DEFINITION Rattus norvegicus ryudocan mRNA, complete cds.
ACCESSION M81786
NID g206822
KEYWORDS ryudocan.
SOURCE Rattus norvegicus Epididymal fat pad cDNA to mRNA.
ORGANISM Rattus norvegicus
Eukaryotae; mitochondrial eukaryotes; Metazoa; Chordata;
Vertebrata; Eutheria; Rodentia; Sciurognathi; Myomorpha; Muridae;
Murinae; Rattus.
REFERENCE 1 (bases 1 to 2452)
AUTHORS Kojima,T., Shworak,N.W. and Rosenberg,R.D.
TITLE Molecular cloning and expression of two distinct cDNA-encoding
heparan sulfate proteoglycan core proteins from a rat endothelial
cell line
JOURNAL J. Biol. Chem. 267, 4870-4877 (1992)

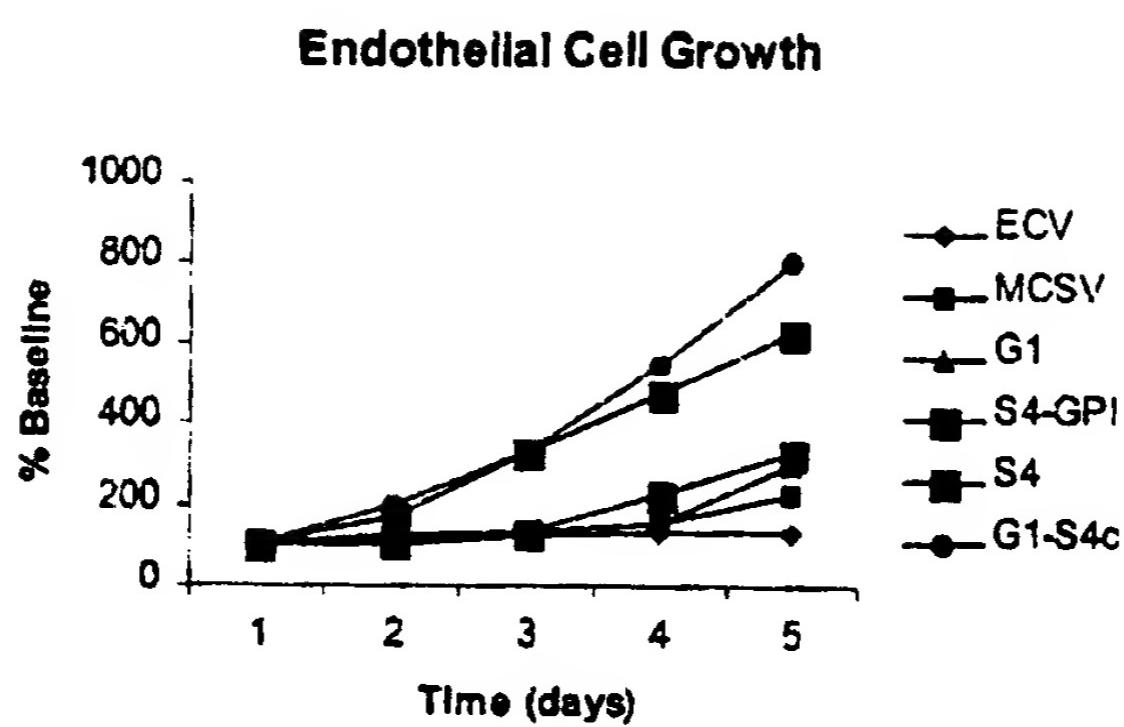


Fig. 14

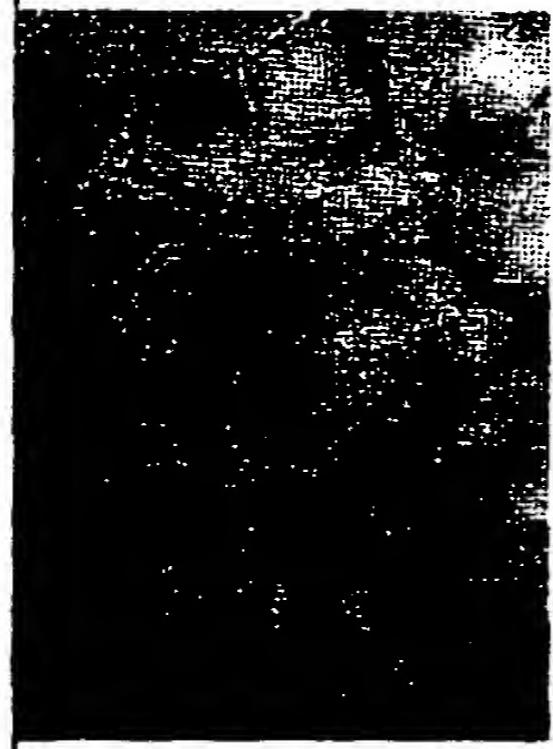
Fig. 15 A



Fig. 15 B



Fig. 15 C

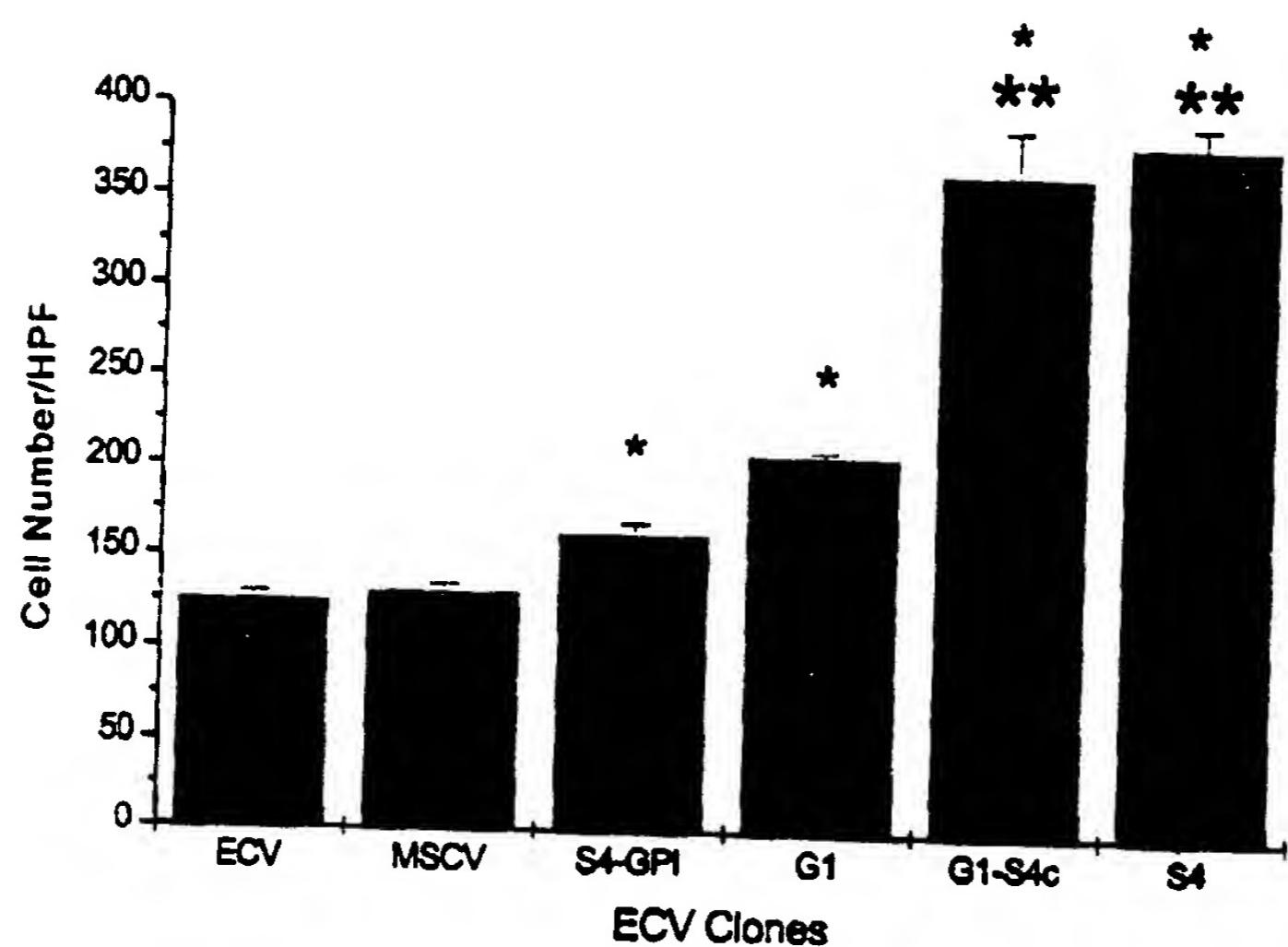


MSCV

S4

G₁-S4c

Fig. 16



Boyden chamber assays of migration towards
bFGF (25 ng/ml);
* p<0.05 vs. ECV
** p<0.05 vs. S4-GPI

Fig. 17A

Fig. 17C

Fig. 17E

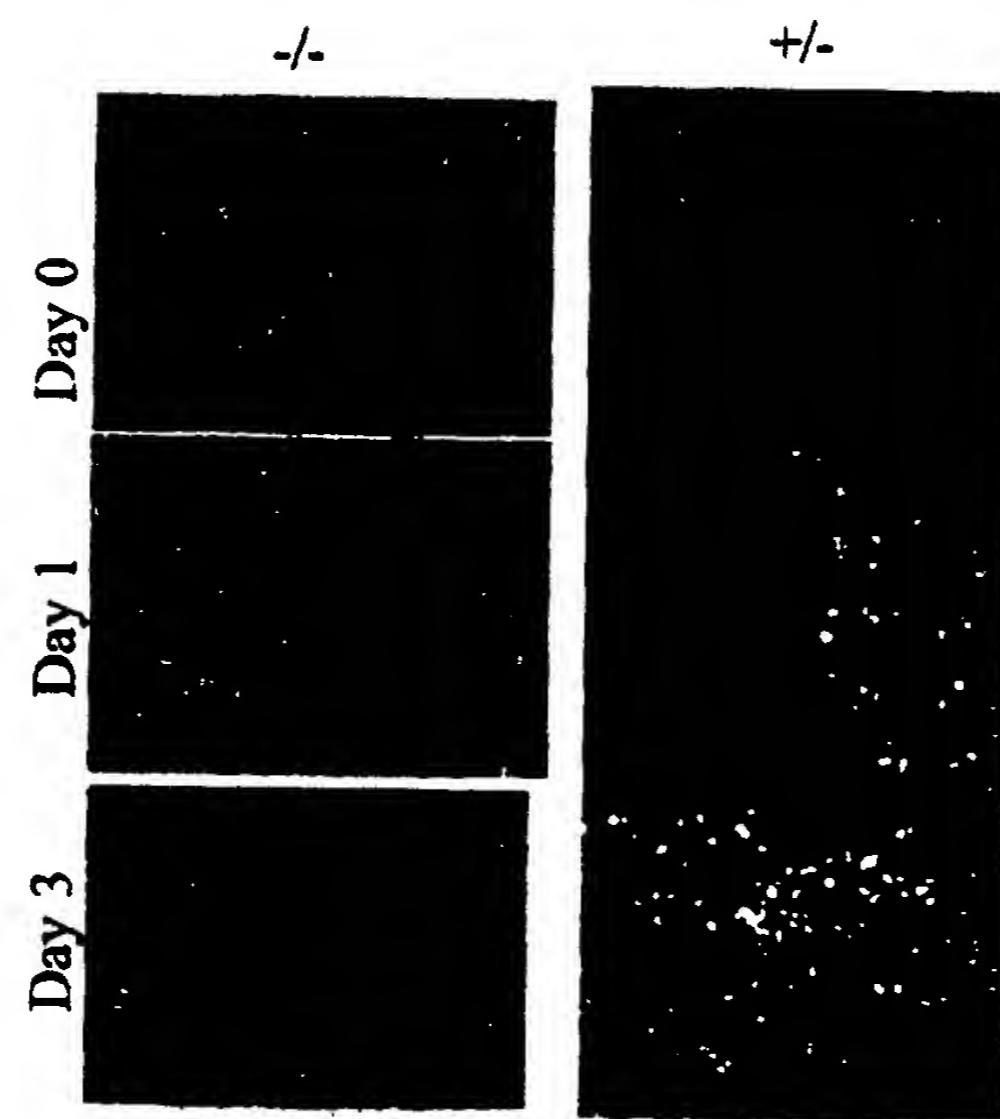


Fig. 17B

Fig. 17D

Fig. 17F

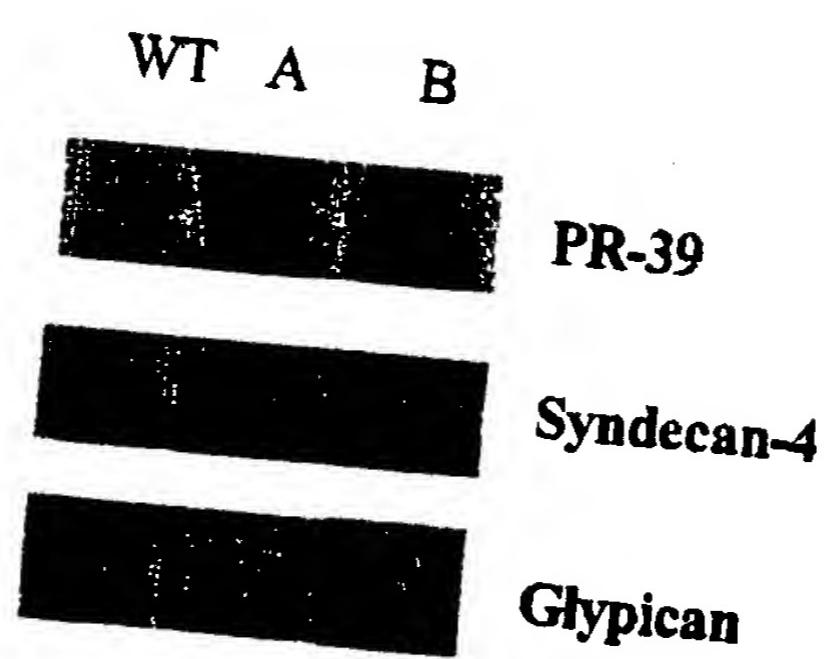


Fig. 18

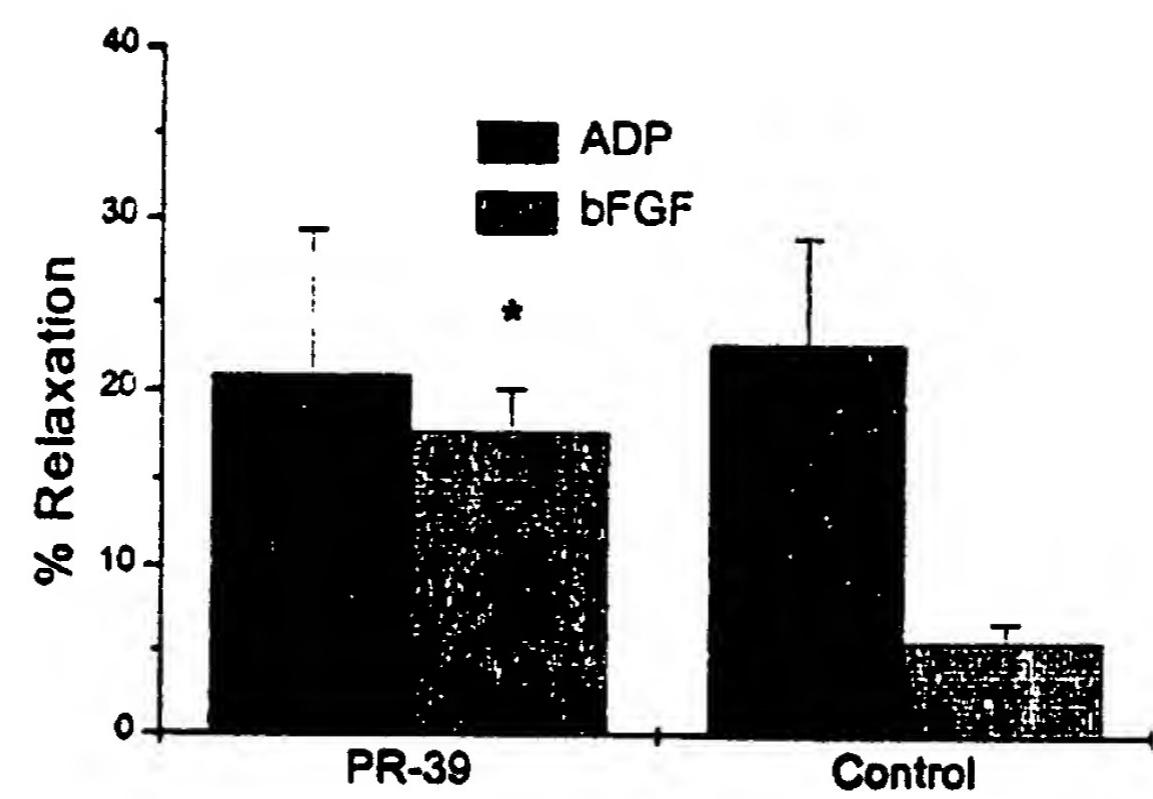


Fig. 19